



Asus Qualified ATP Memory Modules Products Cross Reference Guide



2008/1/16

| <i>Server System: 1U</i> | | | DDR2 Registered / DDR2 Unbuffered / FBDIMM | |
|--------------------------|--|-------|--|--------------------|
| MODEL | SPECIFICATIONS | | <u>STANDARD</u> | <u>LOW-PROFILE</u> |
| RS160-E2 | *Intel Xeon Processor *Intel® 7520 chipset *Dual Channel DDR2-400 Registered ECC *8 DIMM slots up to 16GB | 512MB | | AH64K72M4BQC4S |
| | | 1GB | | AH28K72M4BHC4S |
| | | 2GB | | |
| | | 4GB | | |
| RS100-E4/PI2 | *Intel Xeon 3000 Processor *Intel® 3000 MCH *Dual Channel DDR2-533/667 Unbuffered ECC *4 DIMM slots up to 8GB | 256MB | | AJ32K72A8BQD5M |
| | | 512MB | AJ64K72F8BHE6S | AJ64K72B8BQD5S |
| | | 1GB | AJ28K72G8BHE6S | AJ28K72B8BHD5S |
| | | 2GB | | |
| RS160-E4/PA4 | *Intel Xeon 5100/5300 Processor *Intel® 5000P MCH *Four Channel DDR2-533/667 FB-DIMM *8 DIMM slots up to 32GB | 512MB | | |
| | | 1GB | | AP28K72S8BHE6S |
| | | 2GB | | AP56K72G4BHE6S |
| | | 4GB | | AP12K72D4BGE6S |
| RS163-E4/RX4 | *AMD Opteron 2000 Processor *nVidia nForce Pro. 3600 MCP *Dual Channel DDR2-533/667 Registered ECC *8 DIMM slots up to 32GB | 512MB | | |
| | | 1GB | | AH28K72L8BHE6S |
| | | 2GB | | AH56K72J4BHE6S |
| | | 4GB | | |
| RS161-E4/PA2 | *AMD Opteron 2000 Processor *nVidia nForce Pro. 2200 MCP *Dual Channel DDR2-533/667 Registered ECC *8 DIMM slots up to 16GB | 512MB | | |
| | | 1GB | | AH28K72L8BHE6S |
| | | 2GB | | AH56K72J4BHE6S |
| | | 4GB | | |
| RS120-E4/PA2 | *Intel Xeon 3000/3200 Processor *Intel® 3000 MCH *Dual Channel DDR2-533/667 Unbuffered ECC *4 DIMM slots up to 8GB | 256MB | | AJ32K72A8BQD5M |
| | | 512MB | AJ64K72F8BHE6S | AJ64K72B8BQD5S |
| | | 1GB | AJ28K72G8BHE6S | AJ28K72B8BHD5S |
| | | 2GB | | |
| RS120-E4/PA4 | *Intel Xeon 3000/3200 Processor *Intel® 3000 MCH *Dual Channel DDR2-533/667 Unbuffered ECC *4 DIMM slots up to 8GB | 256MB | | AJ32K72A8BQD5M |
| | | 512MB | AJ64K72F8BHE6S | AJ64K72B8BQD5S |
| | | 1GB | AJ28K72G8BHE6S | AJ28K72B8BHD5S |
| | | 2GB | | |
| RS161-E5 | *Quad-core AMD Opteron 2X00 Processors *nVIDIA nForce Professional 2200 MCP *DDR2-667 Registered ECC DIMM *16 DIMM slots up to 64GB | 512MB | | |
| | | 1GB | | AH28K72L8BHE6S |
| | | 2GB | | AH56K72J4BHE6S |
| | | 4GB | | |

For more information please visit us at: <http://www.atpinc.com>

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-Europe: Neil Hall Tel: 31(0)88-287-0000 Fax : 31(0)88-287-0099 email: sales-emea@atpinc.com

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| <i>Server System: 1U</i> | | | 240-pin FBDIMM | |
|-----------------------------------|--|-------|----------------------------------|--------------------|
| MODEL | SPECIFICATIONS | | <u>STANDARD</u> | <u>LOW-PROFILE</u> |
| RS162-E4/RX4 | *Intel Xeon 5000/5100/5300 Processor *Intel® 5000P MCH *Four Channel DDR2-533/667 FB-DIMM *12 DIMM slots up to 48GB | 512MB | | |
| | | 1GB | | AP28K72S8BHE6S |
| | | 2GB | | AP56K72G4BHE6S |
| | | 4GB | | AP12K72D4BGE6S |
| <i>Server System: 2U</i> | | | 240-pin FBDIMM | |
| RS260-E4/RX8 | *Intel Xeon 5000/5100/5300 Processor *Intel® 5000P MCH *Four Channel DDR2-533/667 FB-DIMM *12 DIMM slots up to 48GB | 512MB | | |
| | | 1GB | | AP28K72S8BHE6S |
| | | 2GB | | AP56K72G4BHE6S |
| | | 4GB | | AP12K72D4BGE6S |
| <i>Server System: 5U / Tower</i> | | | 240-pin DDR2 Unbuffered / FBDIMM | |
| TS500-E4/PA4 | *Intel Xeon 5000/5100 Processor *Intel® 5000V chipset *Dual Channel DDR2-533/667 FB-DIMM *6 DIMM slots up to 24GB | 512MB | | |
| | | 1GB | | AP28K72S8BHE6S |
| | | 2GB | | AP56K72G4BHE6S |
| | | 4GB | | AP12K72D4BGE6S |
| TS500-E4/PX4 | *Intel Xeon 5000/5100 Processor *Intel® 5000V chipset *Dual Channel DDR2-533/667 FB-DIMM *6 DIMM slots up to 24GB | 512MB | | |
| | | 1GB | | AP28K72S8BHE6S |
| | | 2GB | | AP56K72G4BHE6S |
| | | 4GB | | AP12K72D4BGE6S |
| TS700-E4/RX8 | *Intel Xeon 5000/5100 Processor *Intel® 5000P MCH *Four Channel DDR2-533/667 FB-DIMM *12 DIMM slots up to 48GB | 512MB | | |
| | | 1GB | | AP28K72S8BHE6S |
| | | 2GB | | AP56K72G4BHE6S |
| | | 4GB | | AP12K72D4BGE6S |
| TS300-E4/PA4 | *Intel Xeon 3000/3200 Processor *Intel® 3000 MCH *Dual Channel DDR2-533/667 Unbuffered ECC *4 DIMM slots up to 8GB | 256MB | | AJ32K72A8BQD5M |
| | | 512MB | AJ64K72F8BHE6S | AJ64K72B8BQD5S |
| | | 1GB | AJ28K72G8BHE6S | AJ28K72B8BHD5S |
| | | 2GB | | |
| TS300-E4/PX4 | *Intel Xeon 3000/3200 Processor *Intel® 3000 MCH *Dual Channel DDR2-533/667 Unbuffered ECC *4 DIMM slots up to 8GB | 256MB | | AJ32K72A8BQD5M |
| | | 512MB | AJ64K72F8BHE6S | AJ64K72B8BQD5S |
| | | 1GB | AJ28K72G8BHE6S | AJ28K72B8BHD5S |
| | | 2GB | | |
| <i>Server System: Small Tower</i> | | | 240-pin DDR2 Unbuffered | |
| TS100-E4/PI2 | *Intel Xeon 3000/3200 Processor *Intel® 3000 MCH *Dual Channel DDR2-533/667 Unbuffered ECC *4 DIMM slots up to 8GB | 256MB | | AJ32K72A8BQD5M |
| | | 512MB | AJ64K72F8BHE6S | AJ64K72B8BQD5S |
| | | 1GB | AJ28K72G8BHE6S | AJ28K72B8BHD5S |
| | | 2GB | | |

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| AMD Quad-Core Processor | | | 240-pin DDR2-667 Registered | |
|-------------------------|--|-------|-----------------------------|----------------|
| MODEL | SPECIFICATIONS | | STANDARD | LOW-PROFILE |
| KFSN4-DRE | *Quad-core AMD Opteron 2X00 Processors *nVIDIA nForce Professional 2200 MCP *DDR2-667 Registered ECC DIMM *16 DIMM slots up to 64GB | 512MB | | |
| | | 1GB | | AH28K72L8BHE6S |
| | | 2GB | | AH56K72J4BHE6S |
| | | 4GB | | |
| KFSN4-DRE/SAS | *Quad-core AMD Opteron 2X00 Processors *nVIDIA nForce Professional 2200 MCP *DDR2-667 Registered ECC DIMM *16 DIMM slots up to 64GB | 512MB | | |
| | | 1GB | | AH28K72L8BHE6S |
| | | 2GB | | AH56K72J4BHE6S |
| | | 4GB | | |
| KFN5-Q/SAS | *Quad-core AMD Opteron 8000 Processors *nVIDIA nForce Professional 3600 MCP *DDR2-667 Registered ECC DIMM *16 DIMM slots up to 64GB | 512MB | | |
| | | 1GB | | AH28K72L8BHE6S |
| | | 2GB | | AH56K72J4BHE6S |
| | | 4GB | | |
| KFN4-D16 SAS | *Quad-core AMD Opteron 8000 Processors *nVIDIA nForce Professional 2000 MCP *DDR2-667 Registered ECC DIMM *16 DIMM slots up to 64GB | 512MB | | |
| | | 1GB | | AH28K72L8BHE6S |
| | | 2GB | AH56K72E4BHE6S | AH56K72J4BHE6S |
| | | 4GB | | |
| KFN32-D SLI/SAS | *AMD Opteron Dual Processors *nVIDIA nForce Professional 3600 MCP chipset *DDR2-667 Registered ECC DIMM *8 DIMM slots up to 32GB | 256MB | | |
| | | 512MB | | |
| | | 1GB | AH28K72M4BHD5S | AH28K72L8BHE6S |
| | | 2GB | AH56K72E4BHE6S | AH56K72J4BHE6S |
| | | 512MB | | |
| | | 1GB | | |
| | | 2GB | | |
| | | 4GB | | |
| | | 512MB | | |
| | | 1GB | | |
| | | 2GB | | |
| | | 4GB | | |
| | | 512MB | | |
| | | 1GB | | |
| | | 2GB | | |
| | | 4GB | | |

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| Intel DDR2 SERVER & WORKSTATION | | | 240-pin DDR2 FBDIMM-667 | |
|--|---|-------|--------------------------------|--------------------|
| MODEL | SPECIFICATIONS | | <u>STANDARD</u> | <u>LOW-PROFILE</u> |
| DSBF-D/SAS | *Dual-Core Intel Xeon Processor * Intel® 5000P chipset *Four Channel DDR2-533/667 FB-DIMM *8 DIMM slots up to 32GB | 512MB | | |
| | | 1GB | | AP28K72S8BHE6S |
| | | 2GB | | AP56K72G4BHE6S |
| | | 4GB | | AP12K72D4BGE6S |
| DSBF-D | *Dual-Core Intel Xeon Processor * Intel® 5000P chipset *Four Channel DDR2-533/667 FB-DIMM *8 DIMM slots up to 32GB | 512MB | | |
| | | 1GB | | AP28K72S8BHE6S |
| | | 2GB | | AP56K72G4BHE6S |
| | | 4GB | | AP12K72D4BGE6S |
| DSBF-D/1U | *Dual-Core Intel Xeon Processor * Intel® 5000P chipset *Four Channel DDR2-533/667 FB-DIMM *8 DIMM slots up to 32GB | 512MB | | |
| | | 1GB | | AP28K72S8BHE6S |
| | | 2GB | | AP56K72G4BHE6S |
| | | 4GB | | AP12K72D4BGE6S |
| DSBV-D | *Dual-Core Intel Xeon Processor * Intel® 5000P chipset *Dual Channel DDR2-533/667 FB-DIMM *6 DIMM slots up to 24GB | 512MB | | |
| | | 1GB | | AP28K72S8BHE6S |
| | | 2GB | | AP56K72G4BHE6S |
| | | 4GB | | AP12K72D4BGE6S |
| DSBF-D12/SAS | *Dual-Core Intel Xeon Processor * Intel® 5000P chipset *Four Channel DDR2-533/667 FB-DIMM *8 DIMM slots up to 32GB | 512MB | | |
| | | 1GB | | AP28K72S8BHE6S |
| | | 2GB | | AP56K72G4BHE6S |
| | | 4GB | | AP12K72D4BGE6S |
| DSBF-D12 | *Dual-Core Intel Xeon Processor * Intel® 5000P chipset *Four Channel DDR2-533/667 FB-DIMM *8 DIMM slots up to 32GB | 512MB | | |
| | | 1GB | | AP28K72S8BHE6S |
| | | 2GB | | AP56K72G4BHE6S |
| | | 4GB | | AP12K72D4BGE6S |
| DSGC-DW/SAS DSGC-DW | *Dual-Core Intel Xeon Processor * Intel® 5000P chipset *Four Channel DDR2-533/667 FB-DIMM *8 DIMM slots up to 32GB | 512MB | | |
| | | 1GB | | AP28K72S8BHE6S |
| | | 2GB | | AP56K72G4BHE6S |
| | | 4GB | | AP12K72D4BGE6S |
| | | 512MB | | |
| | | 1GB | | |
| | | 2GB | | |
| | | 4GB | | |

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| Intel DDR2 SERVER & WORKSTATION | | | 240-pin DDR2 FBDIMM-667 | |
|--|---|-------|--------------------------------|--------------------|
| MODEL | SPECIFICATIONS | | <u>STANDARD</u> | <u>LOW-PROFILE</u> |
| DSBF-DE/SAS | *Dual-Core Intel Xeon Processor *Intel® 5000P chipset *Dual Channel DDR2-533/667 FB-DIMM *8 DIMM slots up to 32GB | 512MB | | |
| | | 1GB | | AP28K72S8BHE6S |
| | | 2GB | | AP56K72G4BHE6S |
| | | 4GB | | AP12K72D4BGE6S |
| DSBF-DE | *Dual-Core Intel Xeon Processor * Intel® 5000P chipset *Four Channel DDR2-533/667 FB-DIMM *8 DIMM slots up to 32GB | 512MB | | |
| | | 1GB | | AP28K72S8BHE6S |
| | | 2GB | | AP56K72G4BHE6S |
| | | 4GB | | AP12K72D4BGE6S |
| DSBV-DX/C | *Quad-Core Intel Xeon 5100/5300 Processor * Intel® 5000V chipset *Four Channel DDR2-533/667 FB-DIMM *6 DIMM slots up to 24GB | 512MB | | |
| | | 1GB | | AP28K72S8BHE6S |
| | | 2GB | | AP56K72G4BHE6S |
| | | 4GB | | AP12K72D4BGE6S |
| DSBV-DX/SAS | *Quad-Core Intel Xeon 5100/5300 Processor * Intel® 5000V chipset *Four Channel DDR2-533/667 FB-DIMM *6 DIMM slots up to 24GB | 512MB | | |
| | | 1GB | | AP28K72S8BHE6S |
| | | 2GB | | AP56K72G4BHE6S |
| | | 4GB | | AP12K72D4BGE6S |
| DSBV-DX | *Quad-Core Intel Xeon 5100/5300 Processor * Intel® 5000V chipset *Four Channel DDR2-533/667 FB-DIMM *6 DIMM slots up to 24GB | 512MB | | |
| | | 1GB | | AP28K72S8BHE6S |
| | | 2GB | | AP56K72G4BHE6S |
| | | 4GB | | AP12K72D4BGE6S |
| | | 512MB | | |
| | | 1GB | | |
| | | 2GB | | |
| | | 4GB | | |
| | | 256MB | | |
| | | 512MB | | |
| | | 1GB | | |
| | | 2GB | | |
| | | 256MB | | |
| | | 512MB | | |
| | | 1GB | | |
| | | 2GB | | |

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| Intel DDR2 SERVER & WORKSTATION | | | 240-pin DDR2 400/533/667 | |
|--|--|-------|---------------------------------|--------------------|
| MODEL | SPECIFICATIONS | | <u>STANDARD</u> | <u>LOW-PROFILE</u> |
| NCL-DS | *Dual Intel Xeon Processors * Intel® E7520 chipset *Dual Channel DDR2-400 *8 DIMM slots up to 16GB Registered ECC | 128MB | | |
| | | 256MB | | |
| | | 512MB | AH64K72M4BQC4S | AH64K72M4BQD5M |
| | | 1GB | AH28K72M4BHC4S | AH28K72M4BHD5S |
| NCT-D | *Dual Intel Xeon Processors * Intel® E7525 chipset *Dual Channel DDR2-400 *4 DIMM slots up to 8 GB Registered ECC | 128MB | | |
| | | 256MB | | |
| | | 512MB | AH64K72M4BQC4S | AH64K72M4BQD5M |
| | | 1GB | AH28K72M4BHC4S | AH28K72M4BHD5S |
| NCL-DE/SCSI | *Dual Intel Xeon Processors * Intel® E7520 chipset *Dual Channel DDR2-400 *8 DIMM slots up to 16GB Registered ECC | 128MB | | |
| | | 256MB | | |
| | | 512MB | AH64K72M4BQC4S | AH64K72M4BQD5M |
| | | 1GB | AH28K72M4BHC4S | AH28K72M4BHD5S |
| NCL-DE/1U | *Dual Intel Xeon Processors * Intel® E7520 chipset *Dual Channel DDR2-400 *8 DIMM slots up to 16GB Registered ECC | 128MB | | |
| | | 256MB | | |
| | | 512MB | AH64K72M4BQC4S | AH64K72M4BQD5M |
| | | 1GB | AH28K72M4BHC4S | AH28K72M4BHD5S |
| PVL-D/SCSI | *Dual Intel Xeon Processors * Intel® E7520 chipset *Dual Channel DDR2-400 *8 DIMM slots up to 16GB Registered ECC | 128MB | | |
| | | 256MB | | |
| | | 512MB | AH64K72M4BQC4S | AH64K72M4BQD5M |
| | | 1GB | AH28K72M4BHC4S | AH28K72M4BHD5S |
| PVL-D | *Dual Intel Xeon Processors * Intel® E7520 chipset *Dual Channel DDR2-400 *8 DIMM slots up to 16GB Registered ECC | 128MB | | |
| | | 256MB | | |
| | | 512MB | AH64K72M4BQC4S | AH64K72M4BQD5M |
| | | 1GB | AH28K72M4BHC4S | AH28K72M4BHD5S |
| PVL-D/1U | *Dual Intel Xeon Processors * Intel® E7520 chipset *Dual Channel DDR2-400 *8 DIMM slots up to 16GB Registered ECC | 128MB | | |
| | | 256MB | | |
| | | 512MB | AH64K72M4BQC4S | AH64K72M4BQD5M |
| | | 1GB | AH28K72M4BHC4S | AH28K72M4BHD5S |
| | | 128MB | | |
| | | 256MB | | |
| | | 512MB | | |
| | | 1GB | | |

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| Intel DDR2 SERVER & WORKSTATION | | | 240-pin DDR2 400/533/667 | |
|--|---|-------|---------------------------------|--------------------|
| MODEL | SPECIFICATIONS | | <u>STANDARD</u> | <u>LOW-PROFILE</u> |
| NCLV-D2/SATA | *Dual Intel Xeon Processors * Intel® E7320 chipset *Dual Channel DDR2-400 *6 DIMM slots up to 12GB Registered ECC | 128MB | | |
| | | 256MB | | |
| | | 512MB | AH64K72M4BQC4S | AH64K72M4BQD5M |
| | | 1GB | AH28K72M4BHC4S | AH28K72M4BHD5S |
| NCLV-DS2 | *Dual Intel Xeon Processors * Intel® E7320 chipset *Dual Channel DDR2-400 *6 DIMM slots up to 12GB Registered ECC | 128MB | | |
| | | 256MB | | |
| | | 512MB | AH64K72M4BQC4S | AH64K72M4BQD5M |
| | | 1GB | AH28K72M4BHC4S | AH28K72M4BHD5S |
| NCLV-D2 | *Dual Intel Xeon Processors * Intel® E7320 chipset *Dual Channel DDR2-400 *6 DIMM slots up to 12GB Registered ECC | 128MB | | |
| | | 256MB | | |
| | | 512MB | AH64K72M4BQC4S | AH64K72M4BQD5M |
| | | 1GB | AH28K72M4BHC4S | AH28K72M4BHD5S |
| RS160-E2 | *Dual Intel Xeon Processors *Intel® E7520 chipset *Dual Channel DDR2-400 *8 DIMM slots up to 16GB Registered ECC | 128MB | | |
| | | 256MB | | |
| | | 512MB | | AH64K72M4BQC4S |
| | | 1GB | | AH28K72M4BHC4S |
| RS120-E3 | *Dual Intel Xeon Processors *Intel® Mukilteo chipset *Dual Channel DDR2-533/667 *4 DIMM slots up to 8GB ECC Unbuffered | 128MB | | |
| | | 256MB | | |
| | | 512MB | AJ64K72B8BQD5S | AJ64K72F8BHE6S |
| | | 1GB | AJ28K72B8BHD5S | AJ28K72G8BHE6S |
| NCL-D | *Dual Intel Xeon Processors * Intel® E7520 chipset *Dual Channel DDR2-400 *8 DIMM slots up to 16GB Registered ECC | 128MB | | |
| | | 256MB | | |
| | | 512MB | AH64K72M4BQC4S | AH64K72M4BQD5M |
| | | 1GB | AH28K72M4BHC4S | AH28K72M4BHD5S |
| NCL-DR1 | *Dual Intel Xeon Processors * Intel® E7520 chipset *Dual Channel DDR2-400 *8 DIMM slots up to 16GB Registered ECC | 128MB | | |
| | | 256MB | | |
| | | 512MB | AH64K72M4BQC4S | AH64K72M4BQD5M |
| | | 1GB | AH28K72M4BHC4S | AH28K72M4BHD5S |
| | | 128MB | | |
| | | 256MB | | |
| | | 512MB | | |
| | | 1GB | | |

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Asus Qualified ATP Memory Modules Products Cross Reference Guide



| Intel DDR2 SERVER & WORKSTATION | | | 240-pin DDR2 400/533/667 | |
|---------------------------------|---|-------|--------------------------|--------------------|
| MODEL | SPECIFICATIONS | | <u>STANDARD</u> | <u>LOW-PROFILE</u> |
| P5MT | *Intel® 1066 MHz P4 *Intel® E7230 chipset *Dual Channel DDR2-533/667 *4 DIMM slots up to 8GB ECC Unbuffered | 128MB | | |
| | | 256MB | AJ32K72A8BQD5M | |
| | | 512MB | AJ64K72B8BQD5S | AJ64K72F8BHE6S |
| | | 1GB | AJ28K72B8BHD5S | AJ28K72G8BHE6S |
| P5MT-S | *Intel® 1066 MHz P4 *Intel® E7230 chipset *Dual Channel DDR2-533/667 *4 DIMM slots up to 8GB ECC Unbuffered | 128MB | | |
| | | 256MB | AJ32K72A8BQD5M | |
| | | 512MB | AJ64K72B8BQD5S | AJ64K72F8BHE6S |
| | | 1GB | AJ28K72B8BHD5S | AJ28K72G8BHE6S |
| P5CR-L | *Intel® LGA775 Pentium 4 *Intel® E7221 chipset *Dual Channel DDR2-400/533 *4 DIMM slots up to 4GB ECC Unbuffered | 128MB | | |
| | | 256MB | | AJ32K72A8BQD5M |
| | | 512MB | | AJ64K72B8BQD5S |
| | | 1GB | | AJ28K72B8BHD5S |
| P5CR-LS | *Intel® LGA775 Pentium 4 *Intel® E7221 chipset *Dual Channel DDR2-400/533 *4 DIMM slots up to 4GB ECC Unbuffered | 128MB | | |
| | | 256MB | | AJ32K72A8BQD5M |
| | | 512MB | | AJ64K72B8BQD5S |
| | | 1GB | | AJ28K72B8BHD5S |
| P5M2 | *Intel® Xeon Processor *Intel® 3000 chipset *Dual Channel DDR2-533/667 *4 DIMM slots up to 8GB ECC/non-ECC Unbuffered | 128MB | | |
| | | 256MB | AJ32K72A8BQD5M | |
| | | 512MB | AJ64K72B8BQD5S | AJ64K72F8BHE6S |
| | | 1GB | AJ28K72B8BHD5S | AJ28K72G8BHE6S |
| P5M2/SAS | *Intel® Xeon Processor *Intel® 3000 chipset *Dual Channel DDR2-533/667 *4 DIMM slots up to 8GB ECC/non-ECC Unbuffered | 128MB | | |
| | | 256MB | AJ32K72A8BQD5M | |
| | | 512MB | AJ64K72B8BQD5S | AJ64K72F8BHE6S |
| | | 1GB | AJ28K72B8BHD5S | AJ28K72G8BHE6S |
| RS120-E4 | *Intel® Xeon Processor *Intel® 3000 chipset *Dual Channel DDR2-533/667 *4 DIMM slots up to 8GB ECC/non-ECC Unbuffered | 128MB | | |
| | | 256MB | AJ32K72A8BQD5M | |
| | | 512MB | AJ64K72B8BQD5S | AJ64K72F8BHE6S |
| | | 1GB | AJ28K72B8BHD5S | AJ28K72G8BHE6S |
| P5M2-E | *Qual-Core Intel Xeon Processor *Intel® 3000 MCH *Dual Channel DDR2-533/667 *4 DIMM slots up to 8GB ECC/non-ECC Unbuffered | 512MB | | |
| | | 512MB | AJ64K72F8BHE6S | AJ64K72F8BHE7S |
| | | 1GB | AJ28K72G8BHE6S | AJ28K72G8BHE7S |
| | | 1GB | | |

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Asus Qualified ATP Memory Modules Products Cross Reference Guide



| <i>Intel DDR2 SERVER & WORKSTATION</i> | | 240-pin DDR2 400/533/667 | | |
|--|--|--------------------------|-----------------|--------------------|
| MODEL | SPECIFICATIONS | | <u>STANDARD</u> | <u>LOW-PROFILE</u> |
| P5M2-E/4L | *Qual-Core Intel Xeon Processor *Intel® 3000 MCH *Dual Channel DDR2-533/667 *4 DIMM slots up to 8GB ECC/non-ECC Unbuffered | 512MB | | |
| | | 512MB | AJ64K72F8BHE6S | AJ64K72F8BHE7S |
| | | 1GB | AJ28K72G8BHE6S | AJ28K72G8BHE7S |
| | | 1GB | | |
| P5M2P-E/4L | *Qual-Core Intel Xeon Processor *Intel® 3100 MCH *Dual Channel DDR2-533/667 *4 DIMM slots up to 8GB ECC/non-ECC Unbuffered | 512MB | | |
| | | 512MB | AJ64K72F8BHE6S | AJ64K72F8BHE7S |
| | | 1GB | AJ28K72G8BHE6S | AJ28K72G8BHE7S |
| | | 1GB | | |
| | | 128MB | | |
| | | 256MB | | |
| | | 512MB | | |
| | | 1GB | | |
| | | 128MB | | |
| | | 256MB | | |
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| | | 1GB | | |
| | | 128MB | | |
| | | 256MB | | |
| | | 512MB | | |
| | | 1GB | | |

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| AMD DDR2 SERVER & WORKSTATION | | | 240-pin DDR2 400/533/667 | |
|-------------------------------|---|-------|--------------------------|--------------------|
| MODEL | SPECIFICATIONS | | <u>STANDARD</u> | <u>LOW-PROFILE</u> |
| M2N-LR | *AMD Opteron Processor *nVIDIA nForce Professional 3600 MCP chipset *DDR2-667 Unbuffered ECC DIMM *4 DIMM slots up to 8GB | 256MB | | |
| | | 512MB | | |
| | | 1GB | | AJ28K72G8BHE6S |
| | | 2GB | | |
| KFN4-DRE | *AMD Opteron Dual Processors *nVIDIA nForce Pro 2200 chipset *DDR2-667 Registered ECC DIMM *8 DIMM slots up to 32GB | 256MB | | |
| | | 512MB | | |
| | | 1GB | | AH28K72L8BHE6S |
| | | 2GB | | AH56K72J4BHE6S |
| KFN32-D SLI | *AMD Opteron Dual Processors *nVIDIA MCP55 chipset *DDR2-667 Registered ECC DIMM *8 DIMM slots up to 16GB | 256MB | | |
| | | 512MB | | |
| | | 1GB | AH28K72M4BHD5S | AH28K72L8BHE6S |
| | | 2GB | | |
| KFN5-D SLI | *AMD Opteron Dual Processors *nVIDIA nForce Professional 3600 MCP chipset *DDR2-667 Registered ECC DIMM *8 DIMM slots up to 32GB | 256MB | | |
| | | 512MB | | |
| | | 1GB | AH28K72M4BHD5S | AH28K72L8BHE6S |
| | | 2GB | | |
| M2N-LR/SATA | *AMD Opteron Processor *nVIDIA nForce Professional 3600 MCP chipset *DDR2-667 Unbuffered ECC DIMM *4 DIMM slots up to 8GB | 256MB | | |
| | | 512MB | | |
| | | 1GB | | AJ28K72G8BHE6S |
| | | 2GB | | |
| RS163-E4 | *AMD Opteron Processor *nVIDIA nForce Professional 3600 MCP chipset *DDR2-667 Registered ECC DIMM *8 DIMM slots up to 32GB | 256MB | | |
| | | 512MB | | |
| | | 1GB | | AH28K72L8BHE6S |
| | | 2GB | | AH56K72J4BHE6S |
| KFN32-D SLI/SAS | *AMD Opteron Dual Processors *nVIDIA nForce Professional 3600 MCP chipset *DDR2-667 Registered ECC DIMM *8 DIMM slots up to 32GB | 256MB | | |
| | | 512MB | | |
| | | 1GB | AH28K72M4BHD5S | AH28K72L8BHE6S |
| | | 2GB | AH56K72E4BHE6S | AH56K72J4BHE6S |
| | | 512MB | | |
| | | 1GB | | |
| | | 2GB | | |
| | | 4GB | | |

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Asus Qualified ATP Memory Modules Products Cross Reference Guide



| INTEL P4/Xeon /AMD based SERVER SYSTEMS | | | 184-pin DDR266/333/400 | |
|--|---|-------|------------------------|--------------------|
| MODEL | SPECIFICATIONS | | <u>STANDARD</u> | <u>LOW-PROFILE</u> |
| K8N-DRE | *AMD Opteron 200 Processor *nVidia nForce 2200 chipset *8 DIMM slots up to 16GB Registered ECC PC3200 | 256MB | | |
| | | 512MB | | |
| | | 1GB | | |
| | | 2GB | | AB56L72Z4BFC4S |
| AP1700 | *Dual Intel Xeon Processors *ServerWorks GC-LE chipset *400 MHz Front side bus *6 DIMM slots up to 12GB Registered ECC PC1600/2100 | 128MB | | |
| | | 256MB | AB32L72A8S4B0S | |
| | | 512MB | AB64L72A8S8B0S | |
| | | 1GB | | AB28L72N4SMB0S |
| AP1700-S5 | *Dual Intel Xeon Processors *ServerWorks GC-LE chipset *400/533 MHz Front side bus *6 DIMM slots up to 12GB Registered ECC PC1600/2100 | 128MB | | |
| | | 256MB | AB32L72A8S4B0S | |
| | | 512MB | | AB64L72Q8S8B0S |
| | | 1GB | | AB28L72N4SMB0S |
| AP160R-S AP160R-I AP160R-S5 | *Intel Pentium 4 Processor *ServerWorks GC-LE chipset *400 MHz Front side bus *4 DIMM slots up to 8GB Registered ECC PC1600/2100 | 128MB | | |
| | | 256MB | | AB32L72N4S4B0S |
| | | 512MB | | AB64L72N4S8B0S |
| | | 1GB | | AB28L72N4SMB0S |
| AP130D AP130D-D5 | *Intel Pentium 4 Processor *Intel 845D chipset *400 MHz Front side bus *2 DIMM slots up to 2GB Unbuffered ECC PC1600/2100 | 128MB | | |
| | | 256MB | | AG32L72C8SEB0S |
| | | 512MB | | AG64L72C8SQB0S |
| | | 1GB | | |
| INTEL P3/P4 based SERVER SYSTEMS | | | 168-pin PC133 | |
| AP2300-T AP1400-T AP2400-T | *Dual Intel Pentium 3 Processors *ServerWorks LE III chipset *133 MHz *4 DIMM slots up to 4GB Registered ECC PC133 | 256MB | | AR32V72N4S4GAS |
| | | 512MB | | AR64V72N4S8GAS |
| | | 1GB | | AR128V72N4SSGAS |
| | | 1GB | | AR128V72N4SMGAS |
| AP140R | *Intel Pentium 4 Processor *Intel 845 chipset *400 MHz Front side bus *3 DIMM slots up to 3GB Unbuffered ECC PC1600/2100 | 128MB | | AMC16V72T8S4GAS |
| | | 256MB | | AMC32V72T8S4GAS |
| | | 512MB | | AMC64V72T8S8GAS |
| | | 1GB | | AMC28V72T8SMGAS |
| | | 128MB | | |
| | | 256MB | | |
| | | 512MB | | |
| | | 1GB | | |

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Asus Qualified ATP Memory Modules Products Cross Reference Guide



| INTEL P4/Xeon based SERVER BOARDS | | | 184-pin DDR266 | |
|-----------------------------------|--|-------|----------------|----------------|
| MODEL | SPECIFICATIONS | | STANDARD | LOW-PROFILE |
| PP-DLW | *Dual Intel Xeon Processors *Intel E7505 chipset *533 MHz Front side bus *4 DIMM slots up to 8GB Unbuffered ECC / Registered ECC PC2100 | 256MB | | AG32L72C8SQB0S |
| | | 512MB | | AG64L72C8SQB0S |
| | | 512MB | | AG64L64C8SQB0S |
| | | 1GB | | AB28L72N4SMB0S |
| PU-DLS | *Dual Intel Xeon Processors *Intel E7501 chipset *533 MHz Front side bus *6 DIMM slots up to 12GB Registered ECC PC2100 | 128MB | | |
| | | 256MB | | AB32L72N4S4B0S |
| | | 512MB | | AB64L72N4S8B0S |
| | | 1GB | | AB28L72N4SMB0S |
| NRL-LS533 | *Intel Pentium 4 Processor *ServerWorks GC-SL chipset *533 MHz Front side bus *4 DIMM slots up to 8GB Registered ECC PC2100 | 256MB | AB32L72A8S4B0S | |
| | | 256MB | | AB32L72N4S4B0S |
| | | 512MB | | AB64L72N4S8B0S |
| | | 1GB | | AB28L72N4SMB0S |
| NRL-LS400 | *Intel Pentium 4 Processor *ServerWorks GC-SL chipset *400 MHz Front side bus *4 DIMM slots up to 8GB Registered ECC PC1600/2100 | 128MB | | |
| | | 256MB | | AB32L72N4S4B0S |
| | | 512MB | | AB64L72N4S8B0S |
| | | 1GB | | AB28L72N4SMB0S |
| PRL-DLS533 | *Dual Intel Xeon Processors *ServerWorks GC-SL chipset *533 MHz Front side bus *4 DIMM slots up to 4GB Registered ECC PC2100 | 256MB | AB32L72A8S4B0S | |
| | | 256MB | | AB32L72N4S4B0S |
| | | 512MB | | AB64L72N4S8B0S |
| | | 1GB | | AB28L72N4SMB0S |
| PR-DLS533 | *Dual Intel Xeon Processors *ServerWorks GC-LE chipset *533 MHz Front side bus *6 DIMM slots up to 12GB Registered ECC PC2100 | 128MB | | |
| | | 256MB | AB32L72A8S4B0S | |
| | | 512MB | | AB64L72Q8S8B0S |
| | | 1GB | | AB28L72N4SMB0S |
| PR-DLS400 | *Dual Intel Xeon Processors *ServerWorks GC-LE chipset *400 MHz Front side bus *6 DIMM slots up to 12GB Registered ECC PC1600/2100 | 128MB | | |
| | | 256MB | AB32L72A8S4B0S | |
| | | 512MB | AB64L72A8S8B0S | |
| | | 1GB | | AB28L72N4SMB0S |
| | | 128MB | | |
| | | 256MB | | |
| | | 512MB | | |
| | | 1GB | | |

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| INTEL P4/AMD based DESKTOP BOARDS | | | 184-pin DDR266/333/400 | |
|-----------------------------------|--|-------|------------------------|---------------------|
| MODEL | SPECIFICATIONS | | <u>STANDARD</u> | <u>LOW-PROFILE</u> |
| SK8N | *AMD Opteron processor *Nvidia nforce3 chipset *DDR333 Registered DIMM *4 DIMM slots up to 4GB Registered ECC PC2700 | 128MB | | |
| | | 256MB | | AB32L72Q8SQB3S |
| | | 512MB | | AB64L72Q8S8B3S |
| | | 1GB | | AB28L72P4SMB3C |
| P4C800 Deluxe | *Intel Pentium 4 processor *Intel 875P chipset *800 MHz Front side bus *4 DIMM slots up to 4GB Unbuffered ECC PC2100/2700/3200 | 128MB | | |
| | | 256MB | AG32L64C8SQB3S | AG32L72T8SQB0S |
| | | 256MB | | AG32L64T8SQC4S |
| | | 512MB | AG64L72C8SQB0S | AG64L72T8SQ(B3/C4) |
| P4P800-VM | *Intel Pentium 4 processor *Intel 865G chipset *400/533 MHz Front side bus *4 DIMM slots up to 4GB Unbuffered Non-ECC PC3200 | 128MB | | |
| | | 256MB | AG32L64C8SQB3S | AG32L(64/72)T8SQC4S |
| | | 512MB | AG64L64C8SQ(B3/B0) | AG64L(64/72)T8SQC4S |
| | | 1GB | | AG28L64C8SMB3S |
| P4S800 | *Intel Pentium 4 processor *SIS 648FX chipset *400/533 MHz Front side bus *4 DIMM slots up to 4GB Unbuffered Non-ECC PC3200 | 128MB | | |
| | | 256MB | AG32L64C8SQB3S | AG32L64T8SQC4S |
| | | 512MB | | |
| | | 1GB | | |
| PC-DL Deluex | *Intel Dual Xeon processor *Intel 8275P chipset *400/533 MHz Front side bus *4 DIMM slots up to 4GB Unbuffered ECC PC3200 | 128MB | | |
| | | 256MB | AG32L72T8SQB3S | AG32L72T8SQB4S |
| | | 512MB | AG64L72T8SQB3S | |
| | | 1GB | | |
| PCH-DL | *Intel Dual Xeon processor *Intel 8275P chipset *400/533 MHz Front side bus *4 DIMM slots up to 4GB Unbuffered ECC PC3200 | 128MB | | |
| | | 256MB | | AG32L72T8SQB4S |
| | | 512MB | | |
| | | 1GB | | |
| NCCH-DR | *Intel Dual Xeon processor *Intel E7210 chipset *800 MHz Front side bus *4 DIMM slots up to 4GB Unbuffered ECC PC3200 | 128MB | | |
| | | 256MB | | AG32L72T8SQB4S |
| | | 512MB | | AG64L72T8SQC4S |
| | | 1GB | | |
| | | 128MB | | |
| | | 256MB | | |
| | | 512MB | | |
| | | 1GB | | |

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| INTEL P4/AMD based DESKTOP BOARDS | | | 184-pin DDR266/333/400 | |
|---|---|-------|------------------------|-------------------|
| MODEL | SPECIFICATIONS | | STANDARD | LOW-PROFILE |
| A7N8X | *AMD Athlon, XP, Duron processor *NVIDIA nForce2 SPP chipset *200/266/300 MHz Front side bus *3 DIMM slots up to 3GB Unbuffered Non-ECC PC1600/2100/2700/3200 | 128MB | | |
| | | 256MB | AG32L64C8SQB0S | AG32L64T8SQB3/C4S |
| | | 512MB | AG64L64C8SQB0S | AG64L64T8SQB3/C4S |
| | | 1GB | | |
| A7V8X <small>(DDR400 max to 2 banks, DDR333 max to 4 banks)</small> | *AMD Athlon, XP, Duron processor *VIA KT400 chipset *200/266 MHz Front side bus *3 DIMM slots up to 3GB Unbuffered Non-ECC PC2100/2700/3200 | 128MB | | |
| | | 256MB | AG32L64C8SQB0S | AG32L64T8SQB3/C4S |
| | | 512MB | AG64L64C8SQB0S | AG64L64T8SQB3/C4S |
| | | 1GB | AG28L64C8SMB0S | AG28L64T8SMB3S |
| A7S333 | *AMD Athlon, XP, Duron processor *SIS 745 chipset *200/266 MHz Front side bus *3 DIMM slots up to 3GB Unbuffered Non-ECC PC2100/2700 | 128MB | | |
| | | 256MB | AG32L64C8SQB0S | AG32L64T8SQB3S |
| | | 512MB | AG64L64C8SQB0S | AG64L64T8SQB3S |
| | | 1GB | | |
| A7V333 | *AMD Athlon, XP, Duron processor *VIA KT333 chipset *200/266 MHz Front side bus *3 DIMM slots up to 3GB Unbuffered Non-ECC PC2100/2700 | 128MB | | |
| | | 256MB | AG32L64C8SQB0S | AG32L64T8SQB3S |
| | | 512MB | AG64L64C8SQB0S | AG64L64T8SQB3S |
| | | 1GB | AG28L64C8SMB0S | |
| P4S333 <small>(*Only support 2 pcs 1GB PC2100)</small> | *Intel Pentium 4 processor *SiS 645DX chipset *400 MHz Front side bus *3 DIMM slots up to 3GB Unbuffered Non-ECC PC2100/2700 | 128MB | | |
| | | 256MB | AG32L64C8SQB0S | AG32L64T8SQB3S |
| | | 512MB | AG64L64C8SQB0S | AG64L64T8SQB3S |
| | | 1GB | AG28L64C8SMB0S* | |
| P4S533-E <small>(*Only support 2 pcs 1GB PC2700)</small> | *Intel Pentium 4 processor *SiS 651 chipset *400/533 MHz Front side bus *3 DIMM slots up to 3GB Unbuffered Non-ECC PC1600/2100/2700 | 128MB | | |
| | | 256MB | AG32L64C8SQB0S | AG32L64T8SQB3S |
| | | 512MB | AG64L64C8SQB0S | AG64L64T8SQB3S |
| | | 1GB | AG28L64C8SMB0S | AG28L64T8SMB3S* |
| P4S533-VM | *Intel Pentium 4 processor *SiS 645DX chipset *400/533 MHz Front side bus *2 DIMM slots up to 2GB Unbuffered Non-ECC PC2100/2700 | 128MB | | |
| | | 256MB | AG32L64C8SQB0S | AG32L64T8SQB3S |
| | | 512MB | AG64L64C8SQB0S | AG64L64T8SQB3S |
| | | 1GB | AG28L64C8SMB0S | AG28L64T8SMB3S |
| | | 128MB | | |
| | | 256MB | | |
| | | 512MB | | |
| | | 1GB | | |

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-Japan: Masahiro Takagi Tel: 81(3)5846-5741 Fax: 81(3)5846-5742 email: takagi@rioworks.co.jp



Asus Qualified ATP Memory Modules Products Cross Reference Guide



| INTEL P4 based DESKTOP BOARDS | | | 184-pin DDR266/333 | |
|---|--|-------|---------------------------|--------------------|
| MODEL | SPECIFICATIONS | | <u>STANDARD</u> | <u>LOW-PROFILE</u> |
| P4PE | *Intel Pentium 4 processor *Intel 845PE chipset *400/533 MHz Front side bus *3 DIMM slots up to 2GB Unbuffered Non-ECC PC2100/2700 | 128MB | | |
| | | 256MB | AG32L64C8SQB0S | AG32L64T8SQB3S |
| | | 512MB | AG64L64C8SQB0S | AG64L64T8SQB3S |
| | | 1GB | AG28L64C8SMB0S | AG28L64T8SMB3S |
| P4GE-V P4GE-VM | *Intel Pentium 4 processor *Intel 845GE chipset *400/533 MHz Front side bus *2 DIMM slots up to 2GB Unbuffered Non-ECC PC2100/2700 | 128MB | | |
| | | 256MB | AG32L64C8SQB0S | AG32L64T8SQB3S |
| | | 512MB | AG64L64C8SQB0S | AG64L64T8SQB3S |
| | | 1GB | AG28L64C8SMB0S | AG28L64T8SMB3S |
| P4S8X-FSC | *Intel Pentium 4 processor *SIS 648 chipset *400/533 MHz Front side bus *3 DIMM slots up to 3GB Unbuffered Non-ECC PC2100/2700 | 128MB | | |
| | | 256MB | AG32L64C8SQB0S | AG32L64T8SQB3S |
| | | 512MB | AG64L64C8SQB0S | AG64L64T8SQB3S |
| | | 1GB | AG28L64C8SMB0S | AG28L64T8SMB3S |
| P4B533 P4B533-E | *Intel Pentium 4 processor *Intel 845E chipset *400/533 MHz Front side bus *3 DIMM slots up to 2GB Unbuffered ECC/Non-ECC PC2100 | 128MB | | |
| | | 256MB | AG32L64C8SQB0S | |
| | | 512MB | AG64L64C8SQB0S | |
| | | 1GB | AG28L64C8SMB0S | |
| P4B533-V | *Intel Pentium 4 processor *Intel 845G chipset *400/533 MHz Front side bus *3 DIMM slots up to 2GB Unbuffered Non-ECC PC2100 | 128MB | | |
| | | 256MB | AG32L64C8SQB0S | |
| | | 512MB | AG64L64C8SQB0S | |
| | | 1GB | AG28L64C8SMB0S | |
| P4BGL-VM | *Intel Pentium 4 processor *Intel 845GL chipset *400 MHz Front side bus *2 DIMM slots up to 2GB Unbuffered Non-ECC PC2100 | 128MB | | |
| | | 256MB | AG32L64C8SQB0S | |
| | | 512MB | AG64L64C8SQB0S | |
| | | 1GB | AG28L64C8SMB0S | |
| P4G8X P4G8X Deluxe (interleaved memory) | *Intel Pentium 4 processor *Intel E7205 chipset *400/533 MHz Front side bus *4 DIMM slots up to 4GB Unbuffered ECC/Non-ECC PC2100 | 128MB | | |
| | | 256MB | AG32L(64/72)C8SQB0S | |
| | | 512MB | AG64L(64/72)C8SQB0S | |
| | | 1GB | AG28L64C8SMB0S | |
| | | 128MB | | |
| | | 256MB | | |
| | | 512MB | | |
| | | 1GB | | |

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|--------------------------------------|--|-------|---------------------------|--------------------|
| MODEL | SPECIFICATIONS | | <u>STANDARD</u> | <u>LOW-PROFILE</u> |
| P4B266 | *Intel Pentium 4 processor *Intel 845D chipset *400 MHz Front side bus *3 DIMM slots up to 2GB UNB ECC/Non-ECC PC1600/2100 | 128MB | | |
| | | 256MB | | |
| | | 512MB | | |
| | | 1GB | AG28L64C8SMB0S | |
| P4GV-MX | *Intel P4 processor *Intel 845GV chipset * MHz Front side bus *2 DIMM slots up to 2GB Unbuffered Non-ECC PC2100 or PC133 | 128MB | | |
| | | 256MB | | |
| | | 512MB | | |
| | | 512MB | AG64L72C8SQB0S | AG64L72T8SQB3S |
| | | 128MB | | |
| | | 256MB | | |
| | | 512MB | | |
| | | 1GB | | |
| | | 128MB | | |
| | | 256MB | | |
| | | 512MB | | |
| | | 1GB | | |
| | | 128MB | | |
| | | 256MB | | |
| | | 512MB | | |
| | | 1GB | | |
| | | 128MB | | |
| | | 256MB | | |
| | | 512MB | | |
| | | 1GB | | |
| | | 128MB | | |
| | | 256MB | | |
| | | 512MB | | |
| | | 1GB | | |

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